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# (12) United States Patent Reed et al.

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#### (54) MULTIMEDIA SEARCH SYSTEM

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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(Under 37 CFR 1.47)

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(51)	Int. Cl.'	G	UOF 17/30
(52)	U.S. Cl		707/104.1
(58)	Field of Sear	ch	707/104.1

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

RE30,666	E		7/1981	Mitchell et al 434/307
4,752,908	Α		6/1988	Bouillot 364/900
4,754,326	Α	*	6/1988	Kram et al 379/93.25

(List continued on next page.)

#### OTHER PUBLICATIONS

Kishimoto, J.; A Browsing Methods For Image Database On The Microfilm Library Devices, TENCOM '89-IEEE Reg. 10 Conf. on Computer and Communication . . . (Aug. 1989) pp. 974-977.

Glushko, R.J., "Hypertext Engineering": Practical Methods For Creating A Compact Disc Encyclopedia; ACM Conf. on Document Processing Systems (Dec. 1988) pp. 11–19. Klingler, J.W., et al, "Using Hypermedia To Teach Cardiovascular Imaging: A Prototype System Based On Hypercard", Conf. Proceedings—Computers In Cardiology1988 (IEEE, NIH, Wash. DC, Sep. 25–28, 1988) published by IEEE Computer Society Press (Wash. DC, Aug. 17, 1989), pp. 457–460.

(List continued on next page.)

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# (57) ABSTRACT

A database search system that retrieves multimedia information in a flexible, user friendly system. The search system uses a multimedia database consisting of text, picture, audio and animated data. That database is searched through multiple graphical and textual entry paths. Those entry paths include an idea search, a title finder search, a topic tree search, a picture explorer search, a history timeline search, a world atlas search, a researcher's assistant search, and a feature articles search.

# 75 Claims, 20 Drawing Sheets

